

ABSTRACT OF THE DISCLOSURE:

A core structure of an integral heat-exchanger comprises at least two first heat exchanger tubes which extend in parallel with each other; at least two second heat exchanger tubes which extend in parallel with each other, the second heat exchanger tubes juxtaposed with the first heat exchanger tubes; and a corrugated fin including a corrugated first part interposed between the first heat exchanger tubes, a corrugated second part interposed between the second heat exchanger tubes and a flat connection part arranged between the corrugated first and second parts. The corrugated first part of the fin is formed with a plurality of first louvers each extending substantially between the two first heat exchanger tubes. The corrugated second part of the fin is formed with a plurality of second louvers each extending substantially between the two second heat exchanger tubes. The innermost one of the second louvers is positioned away from the innermost end of the corrugated second part of the fin by a given length. The flat connection part is formed with a third louver in the vicinity of the innermost one of the first louvers. The third louver is constructed to obstruct a heat transfer in the fin.